Access DB# 71018

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Andy Kashnikow Examiner #: 60484 Date: 7/17/02
Art Unit: 3700 Phone Number 30 8-1137 Serial Number: 09/811,104
Mail Box and Bldg/Room Location: CP2-2A01 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

_____

Earliest Priority Filing Date: _____

***For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.**

LIT SEARCH 5,881,717

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STAFF USE ONLY		Type of Search		Vendors and cost where applicable	
Searcher:	Solomon	NA Sequence (#)		STN	
Searcher Phone #:	305-5932	AA Sequence (#)		Dialog	
Searcher Location:	CP2, 2C08	Structure (#)		Questel/Orbit	✓
Date Searcher Picked Up:	7-16-02	Bibliographic		Dr.Link	
Date Completed:	7-16-02	Litigation	✓	Lexis/Nexis	✓
Searcher Prep & Review Time:	1	Fulltext		Sequence Systems	
Clerical Prep Time:		Patent Family		WWW/Internet	
Online Time:	3	Other		Other (specify)	

PTO-1590 (8-01)

1 of 1 DOCUMENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5881717

March 16, 1999

System and method for adjustable disconnection sensitivity for disconnection and occlusion detection in a patient ventilator

REISSUE: March 16, 2001 - Reissue Application filed Mar. 16, 2001 (O.G. Nov. 27, 2001) Ex. Gp.: 3761; Re. S.N. 09/811,104November 27, 2001

APPL-NO: 08818173

FILED-DATE: March 14, 1997

GRANTED-DATE: March 16, 1999

 16/07/02 19*52*01

Selected file: PLUSPAT

**** SS 1: Results 1**

1 / 1 *PLUSPAT - ©QUESTEL-ORBIT - image*
PN - **US5881717** A 19990316 **[US5881717]**
TI - (A) System and method for adjustable disconnection sensitivity for disconnection and occlusion detection in a patient ventilator
PA - (A) NELLCOR PURITAN BENNETT INC (US)
IN - (A) ISAZA FERNANDO J (US)
AP - US81817397 19970314 [1997US-0818173]
PR - US81817397 19970314 [1997US-0818173]
IC - (A) A61M-016/00
EC - A61M-016/00K
ICO - K61M-016/00A20
K61M-016/00A21
K61M-039/10A2
PCL - ORIGINAL (O) : 128202220; CROSS-REFERENCE (X) : 128204210 128205230
DT - Corresponding document
CT - US3595228; US4155357; US4176617; US4286589; US4287886; US4550726; US4883051; US5057822; US5320092; US5537997; US5626129; US5715812; US5720709; US5740796; EP0099743; EP0459647; EP0742027
Drager--Evita Intensive Care Ventilator Instruction Manual.

Marketing Brochure--Pediatric-Adult Star 1500 Ventilator--Infrasonics, Inc. Star Products.
STG - (A) United States patent
AB - The system and method for detecting disconnection and occlusion of a tubing system of a patient ventilator detects disconnection of the tubing system, opens the exhalation valve, delivers an idle flow of breathing gas to the tubing system, disables breath triggering, and generates an alarm. A reconnection of the tubing system can also be detected, to initiate resumption of pressure supported inspiration. For occlusion detection, the pressure drop in the tubing system is determined by pressure sensors in the inspiratory and expiratory airways of the tubing system. The two pressure drop values are compared, and once occlusion is detected, an alarm is generated, and the ventilator responds to protect the patient from over distension. Abatement of the occlusion can also be monitored in a pressure based occlusion status cycling mode, and the ventilator can revert back to normal ventilation when either circuit occlusion or exhaust port occlusion are not detected.

1 / 1 *LGST - ©LEGSTAT*
PN - US 5881717 [US5881717]
AP - US 818173/97 19970314 [1997US-0818173]
DT - US-P
ACT - 19970314 US/AE-A
APPLICATION DATA (PATENT)
US 818173/97 19970314 [1997US-0818173]

19970812 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
NELLCOR PURITAN BENNETT INCORPORATED 4280 HACIENDA DRIVE PLEASANTON, CALIFORNIA * ISAZA, FERNANDO J. : 19970603

19990316 US/A

PATENT

20011127 US/RF
REISSUE APPLICATION FILED
20010316
UP - 2001-49

1 / 1 *CRXX - ©CLAIMS/RRX*
PN - 5,881,717 A 19990316 [US5881717]
PA - Nellcor Puritan Bennett Inc
ACT - 20010316 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20011127
REISSUE REQUEST NUMBER: 09/811104
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3761

Reissue Patent Number:

Selected file: INPADOC

**** SS 1: Results 5**

1 / 5 *INPADOC - ©INPADOC*
PN - AU 66689/98 A1 19981012 [AU9866689]
TI - SYSTEM AND METHOD FOR DISCONNECTION AND OCCLUSION DETECTION IN A PATIENT VENTILATOR
IN - ISAZA FERNANDO J
PA - NELLCOR PURITAN BENNETT INC
AP - AU 66689/98-A 19980224 [1998AU-0066689]
PR - US 818173/97-A 19970314 [1997US-0818173]
WO 9803748/98(US)-W 19980224 [1998WO-US03748]
IC - A61M-016/00

2 / 5 *INPADOC - ©INPADOC*
PN - EP 968020 A1 20000105 [EP-968020]
TI - SYSTEM AND METHOD FOR DISCONNECTION AND OCCLUSION DETECTION IN A PATIENT VENTILATOR
LA - ENG
IN - ISAZA FERNANDO J [US]
PA - NELLCOR PURITAN BENNETT INC [US]
AP - EP 98908737/98-A 19980224 [1998EP-0908737]
PR - WO 9803748/98(US)-W 19980224 [1998WO-US03748]
US 818173/97-A 19970314 [1997US-0818173]
IC - A61M-016/00
DS - AT* BE* CH* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC* NL* PT* SE*

1 / 1 *LEGALI - ©LEGSTAT*
PN - EP 968020 [EP-968020]
AP - EP 98908737/98 19980224 [1998EP-0908737]
DT - EP-P
ACTE - 19980224 EP/AE-A
EP-APPLICATION
EP 98908737/98 19980224 [1998EP-0908737]

20000105 EP/AK-A1 [+]
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT:
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

20000105 EP/A1 [+]
PUBLICATION OF APPLICATION WITH SEARCH REPORT

20000105 EP/17P [+]
REQUEST FOR EXAMINATION FILED
19991014
UP - 2000-01

3 / 5 INPADOC - ©INPADOC
PN - JP 2001515387 T2 20010918 [JP2001515387]
AP - JP 540521/98-A 19980224 [1998JP-0540521]
PR - US 818173/97-A 19970314 [1997US-0818173]
WO 9803748/98(US)-W 19980224 [1998WO-US03748]
IC - A61M-016/00

4 / 5 INPADOC - ©INPADOC
PN - US 5881717 A 19990316 [US5881717]
TI - SYSTEM AND METHOD FOR ADJUSTABLE DISCONNECTION SENSITIVITY FOR DISCONNECTION AND OCCLUSION DETECTION IN A PATIENT VENTILATOR
IN - ISAZA FERNANDO J [US]
PA - NELLCOR PURITAN BENNETT INC [US]
AP - US 818173/97-A 19970314 [1997US-0818173]
PR - US 818173/97-A 19970314 [1997US-0818173]
IC - A61M-016/00

1 / 1 LEGALI - ©LEGSTAT
PN - US 5881717 [US5881717]
AP - US 818173/97 19970314 [1997US-0818173]
DT - US-P
ACTE - 19970314 US/AE-A
APPLICATION DATA (PATENT)
US 818173/97 19970314 [1997US-0818173]

19970812 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
NELLCOR PURITAN BENNETT INCORPORATED 4280 HACIENDA DRIVE
PLEASANTON, CALIFORNIA * ISAZA, FERNANDO J. : 19970603

19990316 US/A
PATENT

20011127 US/RF
REISSUE APPLICATION FILED
20010316
UP - 2001-49

5 / 5 INPADOC - ©INPADOC
PN - WO 9841268 A1 19980924 [WO9841268]
TI - SYSTEM AND METHOD FOR DISCONNECTION AND OCCLUSION DETECTION IN A PATIENT VENTILATOR
LA - ENG
IN - ISAZA FERNANDO J
PA - NELLCOR PURITAN BENNETT INC [US]
AP - WO US 9803748/98(US)-A 19980224 [1998WO-US03748]
PR - US 818173/97-A 19970314 [1997US-0818173]
IC - A61M-016/00
DS - AU* CA* JP* AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

1 / 3 *LEGALI - ©LEGSTAT*
PN - JP 540521/98
AP - JP 540521/98 0 [1998JP-0540521]
DT - JP-A
ACTE - 19990913 JP/REFW-P
CORRESPONDS TO PCT APPLICATION
<WO 9841268> WO9841268
UP - 2002-26

2 / 3 *LEGALI - ©LEGSTAT*
PN - CA 2281835 [CA2281835]
DT - CA-P
ACTE - 19990818 CA/REFW-P
CORRESPONDS TO PCT APPLICATION
<WO 9841268> [WO9841268]
UP - 2000-02

3 / 3 *LEGALI - ©LEGSTAT*
PN - WO 9841268 [WO9841268]
AP - WO 9803748/98(US) 19980224 [1998WO-US03748]
DT - WO-P
ACTE - 19980224 WO/AE-A
APPLICATION DATA
WO 9803748/98(US) 19980224 [1998WO-US03748]

19980924 WO/AK-A1 [+]
DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT
AU CA JP

19980924 WO/AL-A1 [+]
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT
AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

19980924 WO/A1 [+]
PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT

19981112 WO/DFPE
REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE

19990224 WO/121
EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION

19990818 WO/ENP-AA
ENTRY INTO THE NATIONAL PHASE IN:
<CA 2281835>

19990913 WO/ENP-A
ENTRY INTO THE NATIONAL PHASE IN:
<JP 98540521>
UP - 2002-26

Session finished: 16 JUL 2002 Time 19:53:16